

| REVISIONS |             |      |          |
|-----------|-------------|------|----------|
| REV       | DESCRIPTION | DATE | APPROVED |

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1–1/2” WINDOW UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER’S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
5. WHERE WOOD BUCK THICKNESS IS 1–1/2” OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. WINDOW UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER’S PUBLISHED INSTALLATION INSTRUCTIONS.
6. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
7. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. FOR FIN INSTALLATION SHIM AS NEEDED. FOR FRAME INSTALLATION SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16” OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4”.
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: EXTRUDED RIGID PVC.
12. UNITS MUST BE GLAZED PER ASTM E1300–04.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE #6 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

15. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 3/16” TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #8 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
18. ALL FASTENERS TO BE CORROSION RESISTANT.
19. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER’S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:

A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.

C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH f’m=2,000PSI MINIMUM.

D. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI 1/8” THICK MINIMUM

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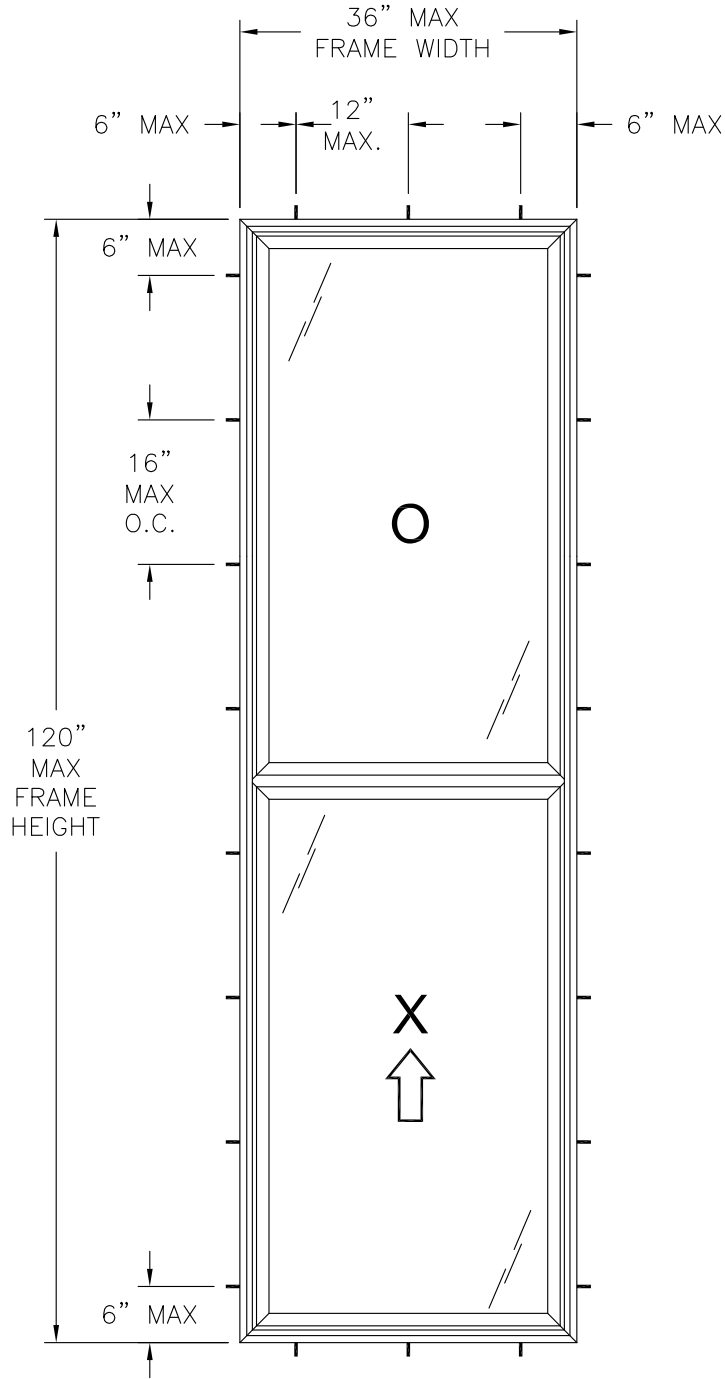
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| SHEET NO.         | DESCRIPTION          |
| 1                 | NOTES                |
| 2                 | ELEVATIONS           |
| 3 – 6             | INSTALLATION DETAILS |

|                                                                                     |                     |                 |
|-------------------------------------------------------------------------------------|---------------------|-----------------|
| VIWINCO, INC.<br>MORGANTOWN BUSINESS PARK P.O. BOX 499<br>MORGANTOWN, PA 19543–0499 |                     |                 |
| S–SERIES STACKED FIXED/CASEMENT<br>COMBINATION ASSEMBLY – NON IMPACT<br>NOTES       |                     |                 |
| DRAWN:<br>V.L.                                                                      | DWG NO.<br>08–02844 | REV<br>–        |
| SCALE<br>NTS                                                                        | DATE<br>11/09/15    | SHEET<br>1 OF 6 |

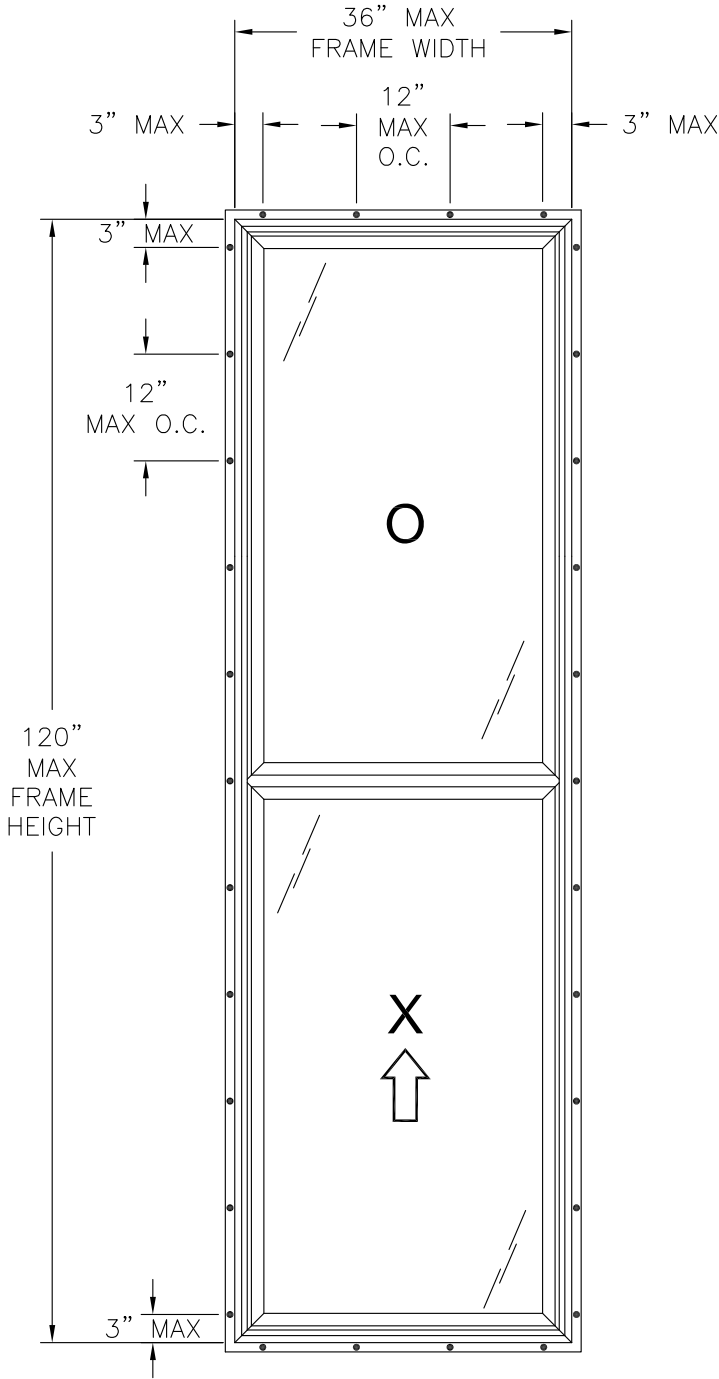


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| HARDWARE SCHEDULE |                                                                 |
|-------------------|-----------------------------------------------------------------|
| A.                | (1) ROTARY CRANK 8" FROM HINGE JAMB AT SILL                     |
| B.                | (2) 3-BAR HINGE AT EACH END HINGE STILE                         |
| C.                | (1) LATCH W/ MULTI-POINT LOCK AT LOCK JAMB                      |
| D.                | (2 SETS) MULTI-SNUBBER 19" FROM EACH END VENT HINGE STILE       |
| E.                | EXTRUDED ALUMINUM REINFORCEMENT (6180) AT HEAD & SILL           |
| F.                | EXTRUDED ALUMINUM REINFORCEMENT (6181) AT SILL AND JAMBS        |
| G.                | EXTRUDED ALUMINUM REINFORCEMENT (6170) AT VENT STILES AND RAILS |
| H.                | EXTRUDED ALUMINUM REINFORCEMENT (6190) AT VENT HINGE STILE      |
| I.                | EXTRUDED ALUMINUM REINFORCEMENT (59928) AT INTERMEDIATE RAIL    |



***S-SERIES STACKED FIXED/CASEMENT***  
EXTERIOR VIEW  
FRAME INSTALLATION



***S-SERIES STACKED FIXED/CASEMENT***  
EXTERIOR VIEW  
FIN INSTALLATION

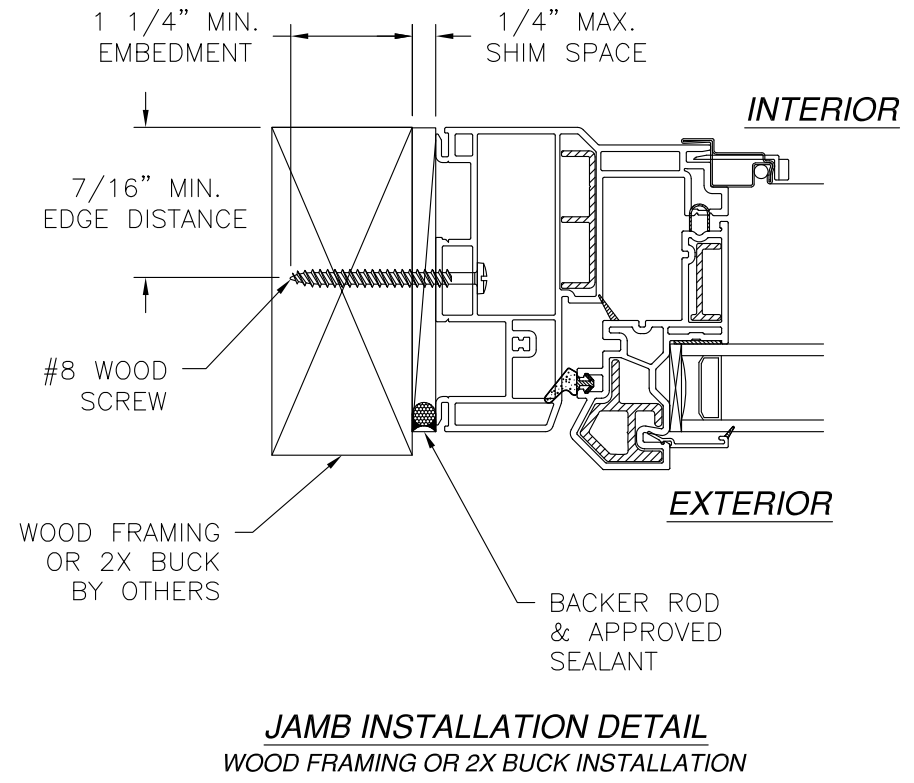
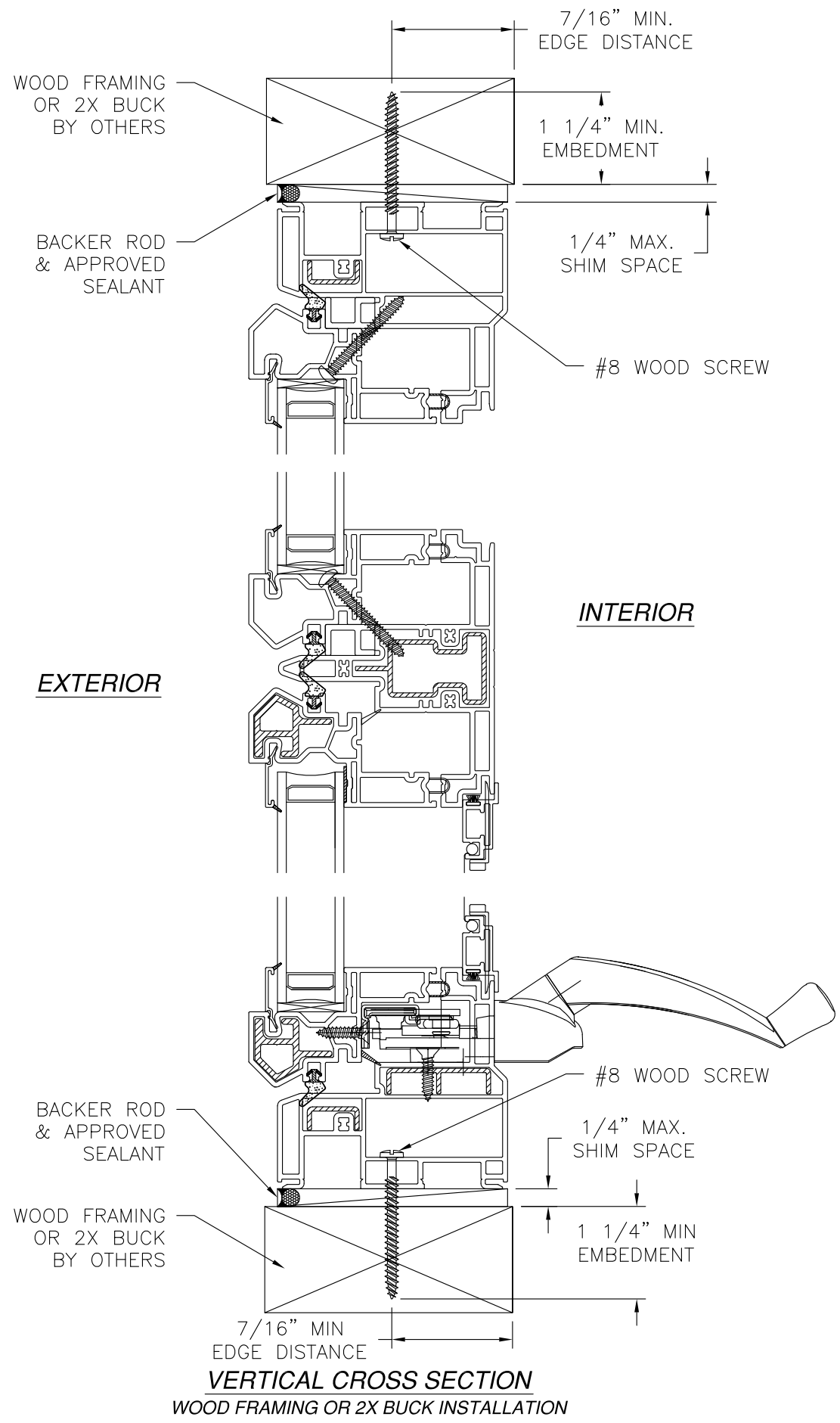
| DESIGN PRESSURE RATING | IMPACT RATING      |
|------------------------|--------------------|
| <b><i>±50.0PSF</i></b> | <b><i>NONE</i></b> |

- NOTES:
1. MAXIMUM FIXED D.L.O.: 29" X 54"
  2. MAXIMUM CASEMENT D.L.O.: 29" X 54"
  3. (2 PER VENT) 3/8 X 3/16" WEEP SLOT 2" FROM EACH END OF BOTTOM RAIL.
  4. (2 PER VENT) 3/16" WEEP HOLE 2" FROM EACH END OF BOTTOM RAIL.

|                                                                                     |                     |                 |
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| S-SERIES STACKED FIXED/CASEMENT<br>COMBINATION ASSEMBLY – NON IMPACT<br>ELEVATIONS  |                     |                 |
| DRAWN:<br>V.L.                                                                      | DWG NO.<br>08-02844 | REV<br>—        |
| SCALE<br>NTS                                                                        | DATE<br>11/09/15    | SHEET<br>2 OF 6 |

SIGNED: 11/10/2015





- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
  2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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**VIWINCO, INC.**  
MORGANTOWN BUSINESS PARK P.O. BOX 499  
MORGANTOWN, PA 19543-0499

S-SERIES STACKED FIXED/CASEMENT  
COMBINATION ASSEMBLY – NON IMPACT  
INSTALLATION DETAILS

DRAWN:  
**V.L.**

DWG NO.  
**08-02844**

REV  
**—**

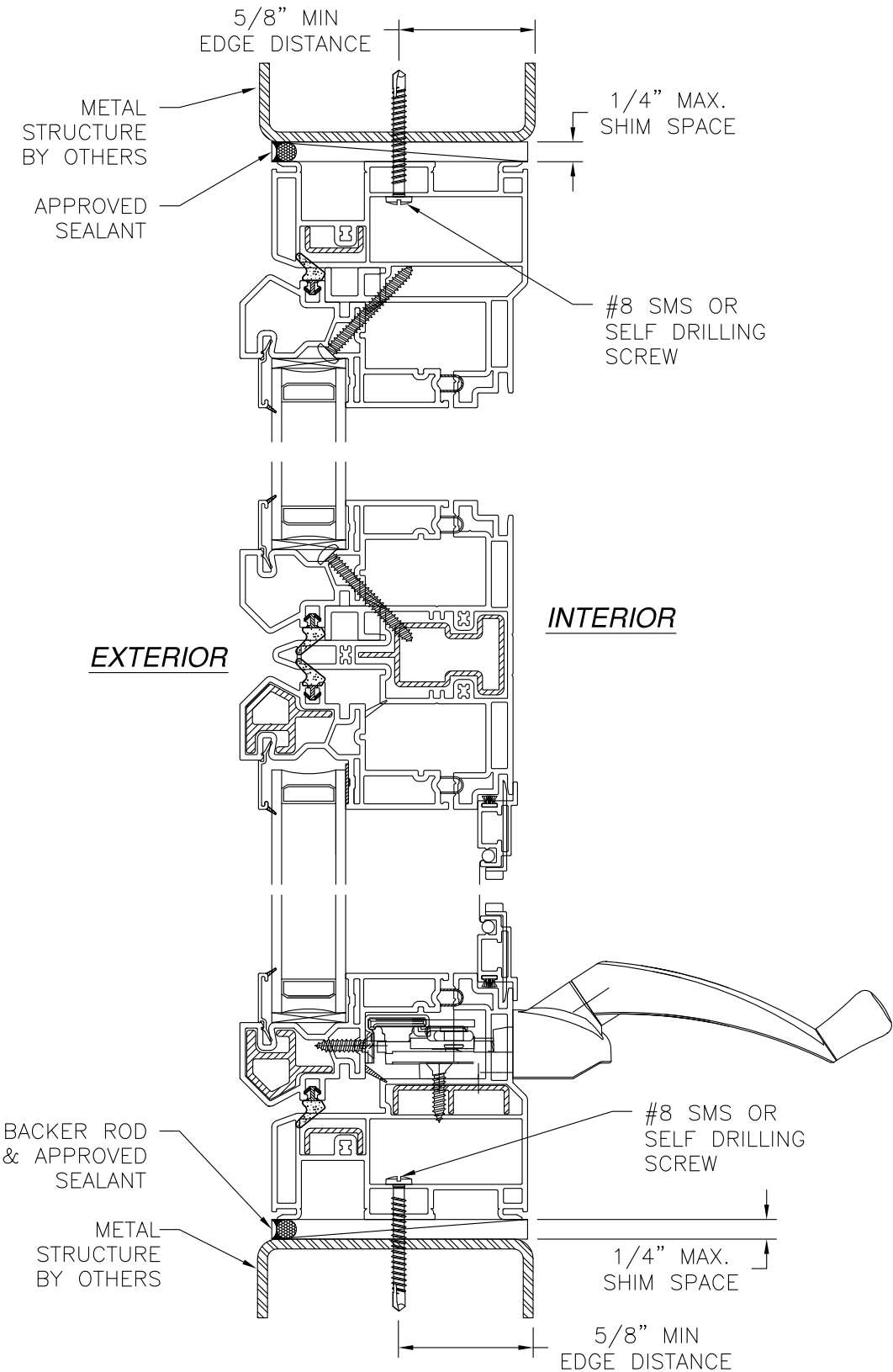
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**NTS**

DATE  
**11/09/15**

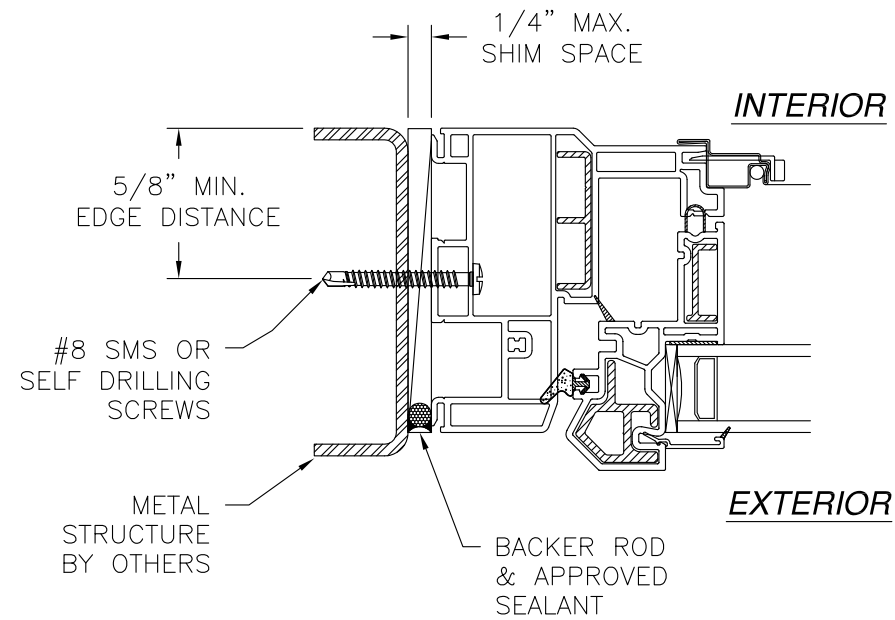
SHEET  
**3 OF 6**

**SIGNED: 11/10/2015**

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**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION

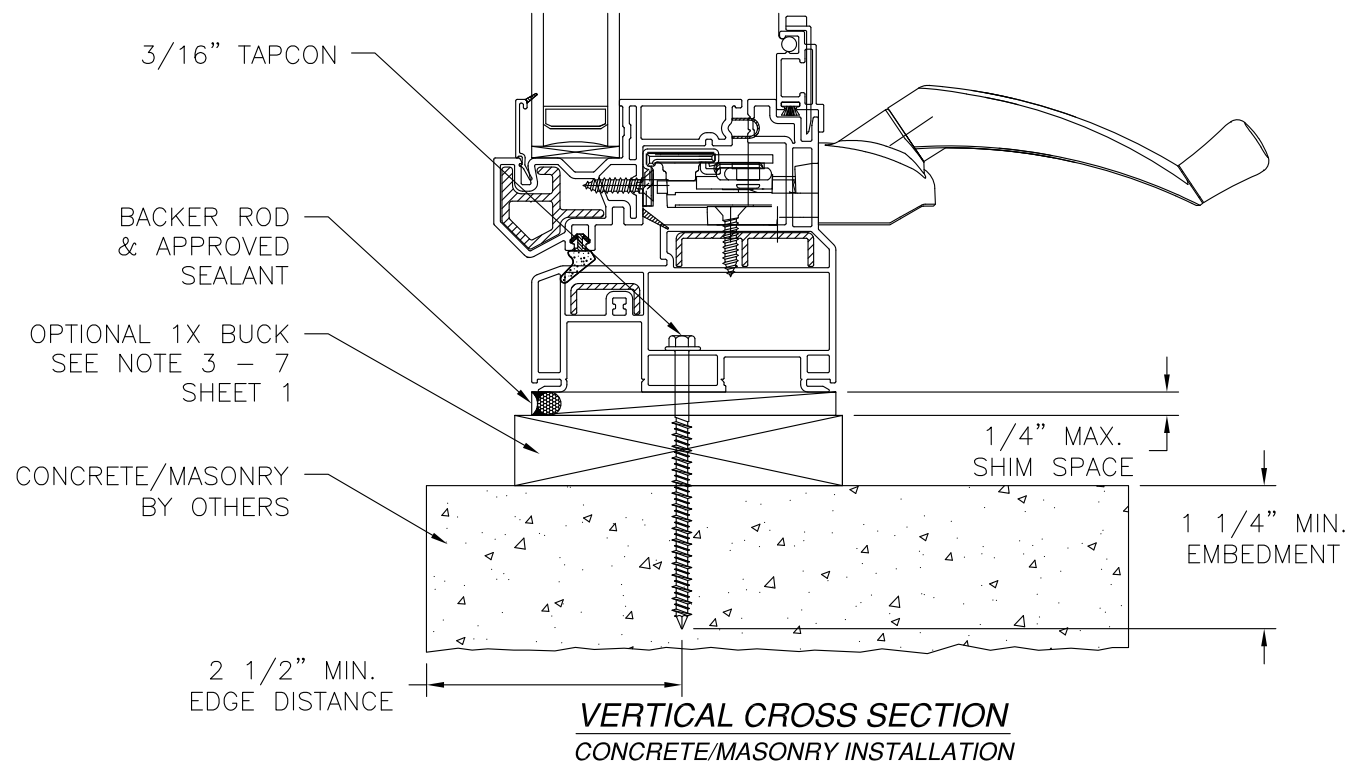
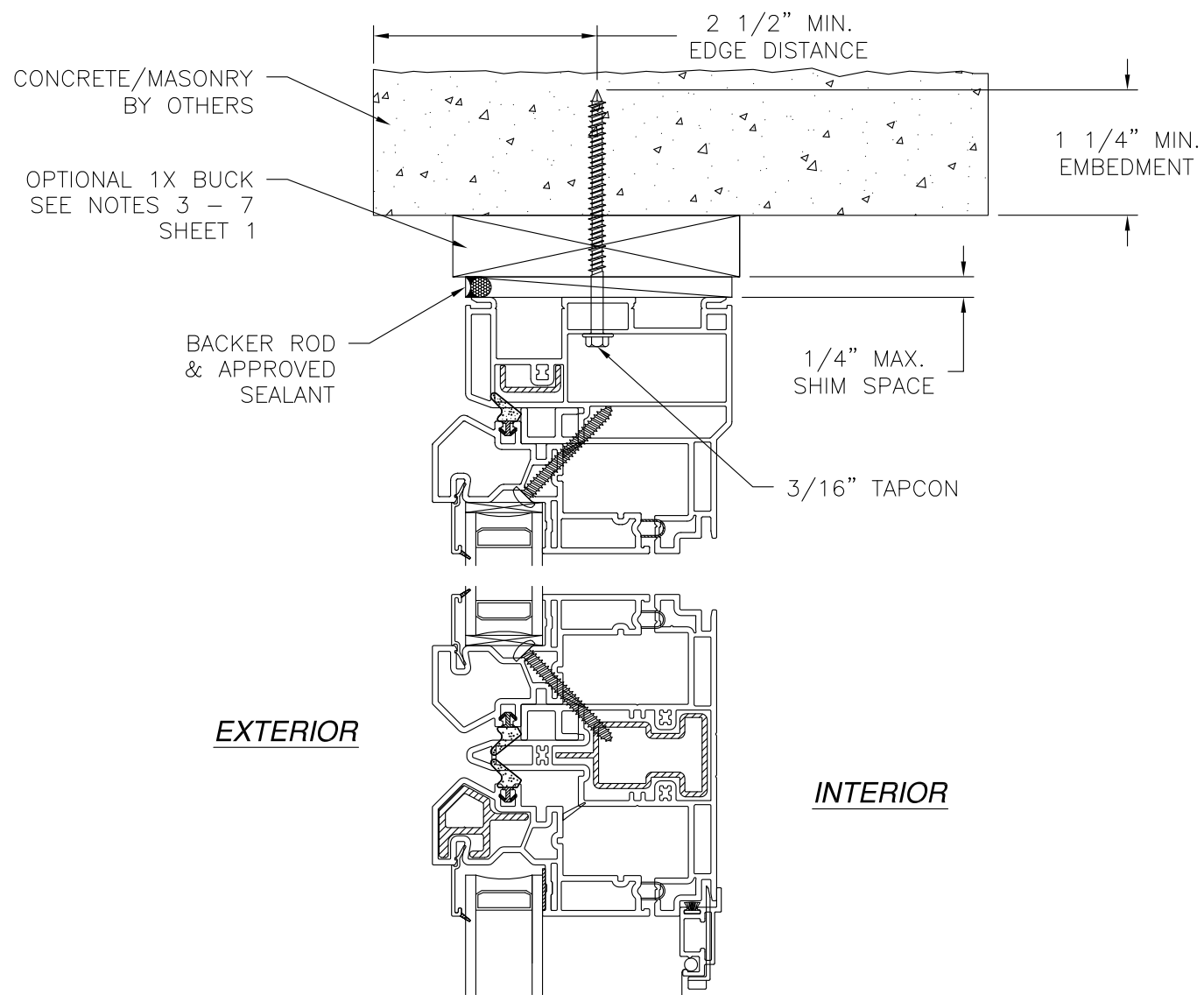


**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION

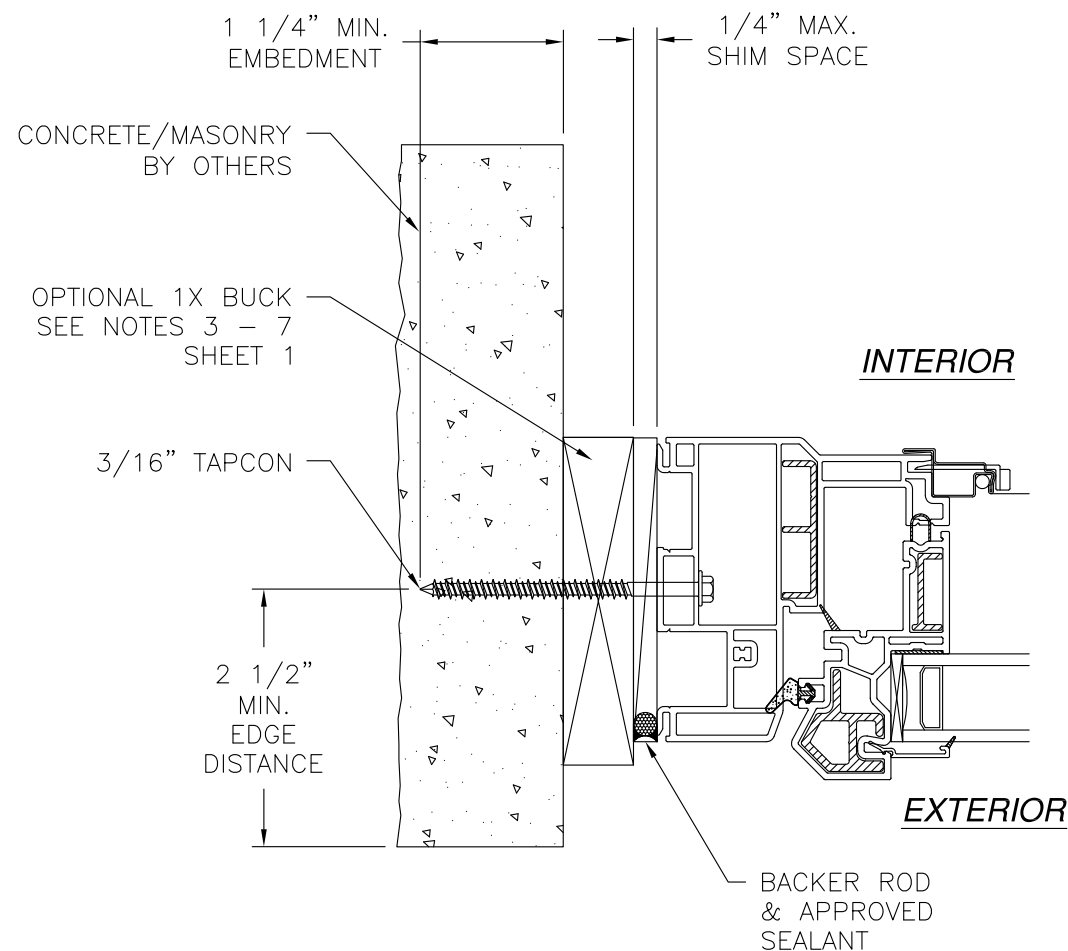
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| DRAWN:<br>V.L.                                                                               | DWG NO.<br>08-02844 | REV<br>—     |  |
| SCALE NTS                                                                                    | DATE 11/09/15       | SHEET 4 OF 6 |  |



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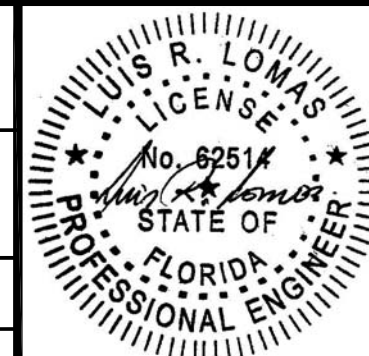
**JAMB INSTALLATION DETAIL**  
CONCRETE/MASONRY INSTALLATION

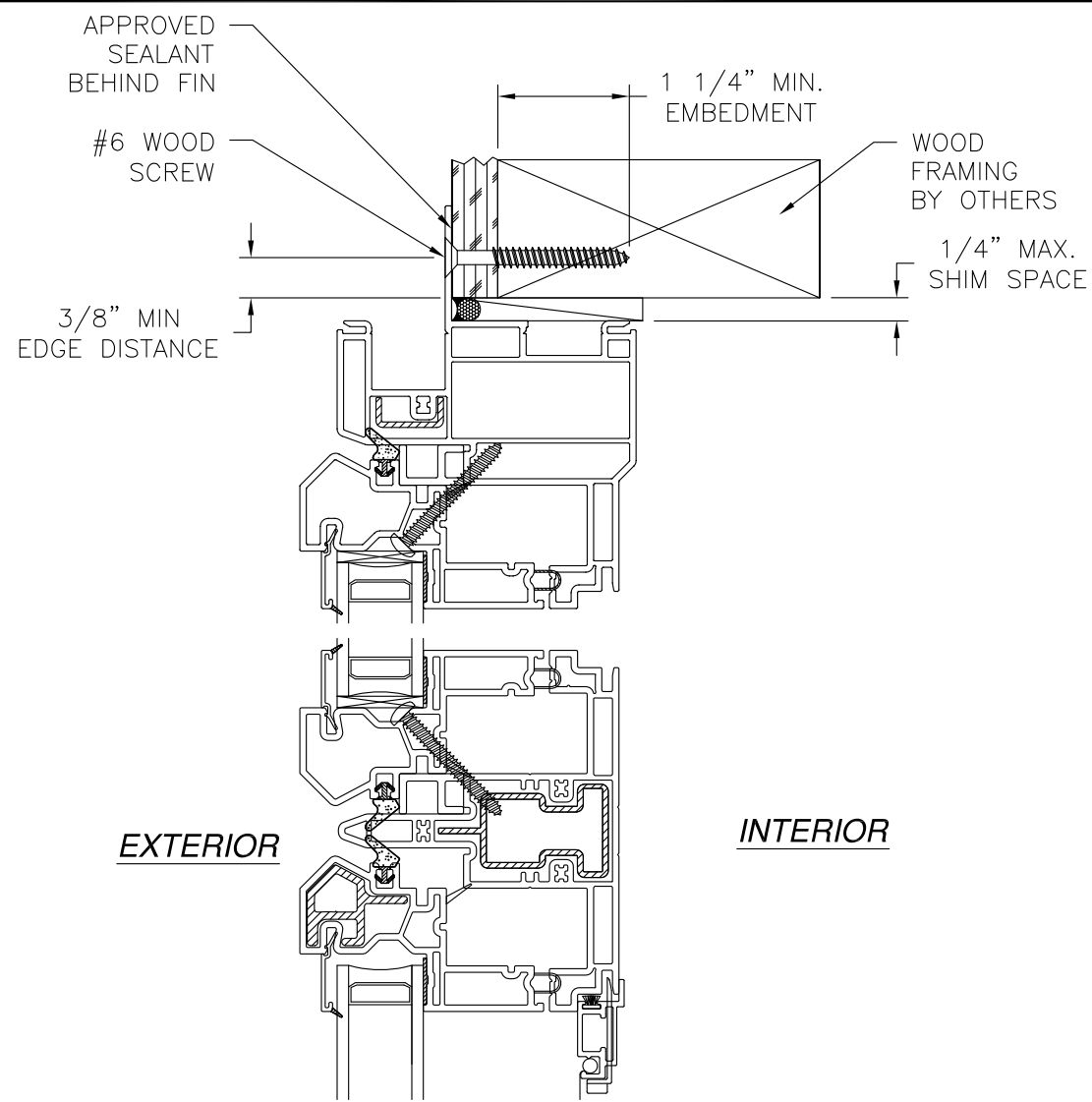
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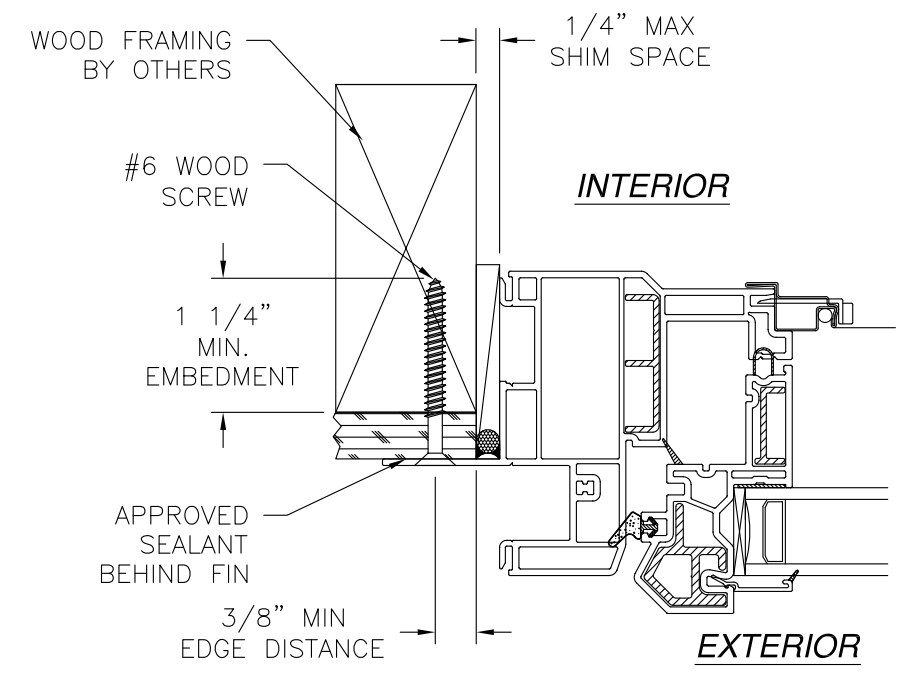
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| SCALE NTS                                                                                    | DATE 11/09/15       | SHEET 5 OF 6 |





**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION



**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTES:**
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